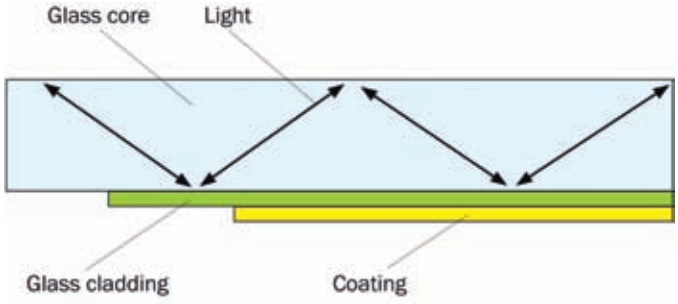
Fiber-Optic Network Components

DIGITUS® Optical fiber cable

Construction of a glass fiber cable
A glass fiber cable consists mainly of three parts: The glass fiber core, carrying the light signal, the glass jacket which reflects the light and a plastic cladding which protects the glass fiber cable from external influences and makes it flexible. .



The glass fiber core
There are various thicknesses of the glass fiber core which are described with their cross section: The single mode fiber cable with a cross section of 9µm and multi-mode fiber cables with cross sections of 50 µm and 62.5 µm.

Single mode fiber cables are more costly than multi-mode fiber cables because of difficulties in the manufacture of an extremely thin cable with a cross section of 9µm, but they have a greater range.

Additional designations are used to describe them in terms of their quality: OS1 and OS2 for single mode fiber cables, where OS2 is the best quality and OM1, OM2 and OM3 for multi-mode cables where OM3 is the best quality.

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The difference between single mode and multi mode
The light is reflected in a zigzag pattern in the core of thicker multimode fiber cables. This results in higher attenuation, the range of the signal reduces, in other words. The light does not refract so frequently in single mode fiber cables and guarantees an enormous range.

Cladding
There are several forms of cladding for glass fiber cables.

Solid strand type | Hollow strand type | Combined strand type

The solid strand type surrounds the fiber directly. This has a disadvantageous effect when there is high strain and with temperature differences.

Unlike the solid strand type, the hollow strand type does not surround the fiber directly. There is a hollow space between the cladding and the fiber which reduces the disadvantageous effects of strain load and temperature differences.

The combined strand type represents an intermediate form of the solid core type and the hollow core type. The hollow space of the cladding is filled here with a gel or similar.

Use of the individual glass fiber cables
Multi fire cables are usually found in cabling in buildings and in short and medium distance runs. OM2 fiber cables are used the most. OM3 fibers of better quality are used more and more frequently and replace OM2 fiber cables over the long run.
Single mode fiber cables are used because of their good signal properties in long distance cabling.

LWL plugs
The widest distributed LWL plugs are ST-, SC- and LC plugs. The LC plugs gains an ever increasing share of the market for glass fiber plugs because of the compact size and their use with mini GBIC modules in switches or media converters.

Pigtails
Pigtails are cables equipped with an LWL plug on one side and a plain glass fiber cable on the other side. They are used at the end points of laid cables and are spliced with each other.

Splicing
Splicing is understood to be the connection of two glass fiber cables. These are adjusted at their end points and permanently fused together.

Uniform, abbreviated descriptions exist for LWL cables in accordance with DIN-VDE Norm 0888 which consist of a series of number, as can be seen in the table.

Kabeltyp
A Outside cable
I/J Inside cable
U optoversal® cable (not VDE)

Ader
V Solid strand
D Bundled strand
W Hollow strand, filled
H Hollow strand, unfilled
M Mini bundle (not VDE)

S Metallic distribution element

F Filling compound for filling the cord cavities in the cable core
Q Source element (not VDE)

1. Outside cladding
H LSOH cladding
Y PVC cladding
2Y PE cladding
(ZN)2Y PE cladding with non-metallic strain relief elements
(ZN)(L)2Y PE laminated cladding with non-metallic strain relief elements
(ZN)(SR)2Y Steel spiral laminated cladding with non-metallic strain relief elements

2. Outside cladding
B Reinforcement
BY Reinforcement with PVC protective cover
B2Y Reinforcement with PE protective cover

Number of fibers
Number of bundled fibers x number of fibers per fiber bundle

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Construction
LG stranding in layers

Bandwidth in MHz for 1 km
(Multimode fibers)
Dispersion in ps/nm x km
(Single mode fibers)

Wavelengths
B 850nm (multimode fibers)
F 1300nm (multimode fibers)
F 1310nm (single mode fibers)
H 1550nm (single mode fibers)

Attenuation coefficient in dB/km

Cladding diameter in µm (125µm)

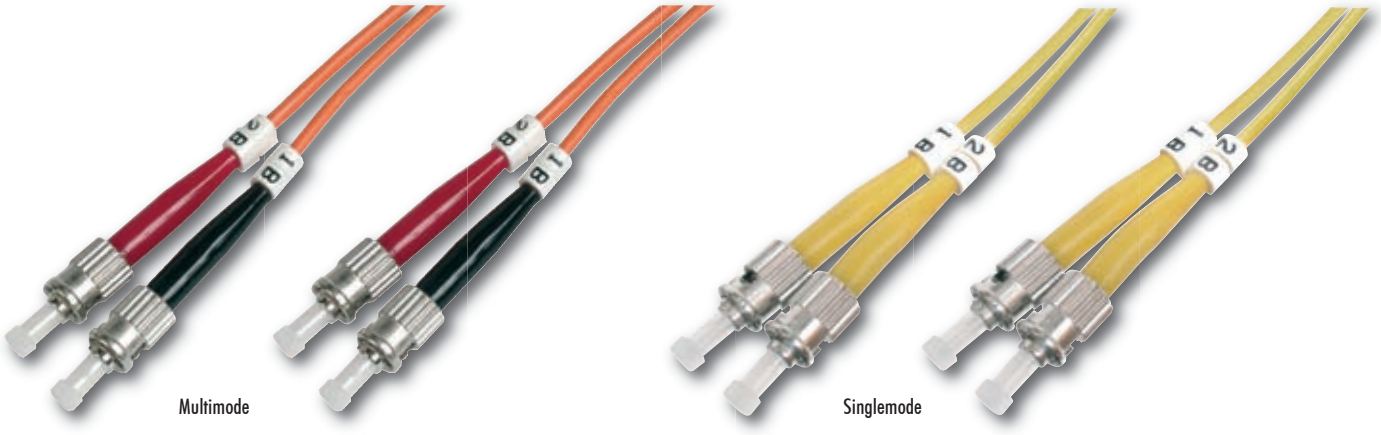
Field diameter in µm for single mode fibers (9µm)
Core diameter in µm for multi mode fibers
(50µm or 62.5µm)

Construction type
E Single mode fiber
G Multimode fiber

Subject to alterations.

ST / ST
Fiber-optic patch cable, duplex

- ST / ST Connectors
- Halogen free cable I-VH 2G-XXX (Multimode), I-VH 2E-XXX (Singlemode)
- OM3 up to 10Gbit Ethernet, OM1 & 2 1Gbit Ethernet
- Connector with ceramic ferrule
- Two color Boot (Multimode cable)
- Single packed, with test report

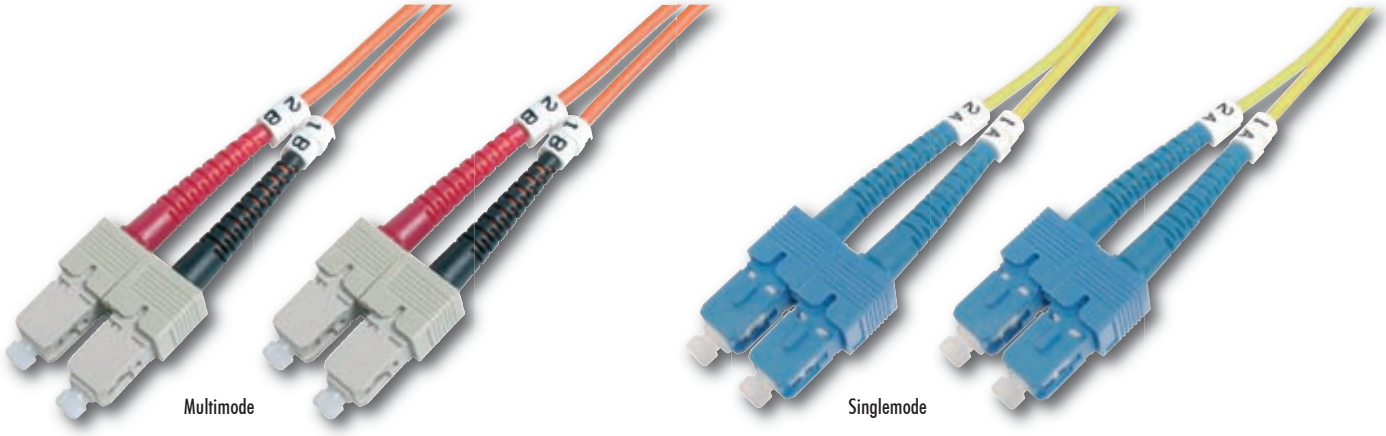


Please choose your requested product by the corresponding article number or the EAN code.

	Multimode OM2 - 50/125 µ		Multimode OM1 - 62,5/125 µ		Multimode OM3 - 50/125 µ		Singlemode - 9/125 µ
1,0 m	247999 / **DK-2511-01**	1,0 m	248194 / **DK-2611-01**	1,0 m	248279 / **DK-2511-01/3**	1,0 m	248330 / **DK-2911-01**
2,0 m	248033 / **DK-2511-02**	2,0 m	248217 / **DK-2611-02**	2,0 m	248286 / **DK-2511-02/3**	2,0 m	248347 / **DK-2911-02**
3,0 m	248064 / **DK-2511-03**	3,0 m	248224 / **DK-2611-03**	3,0 m	248293 / **DK-2511-03/3**	3,0 m	248354 / **DK-2911-03**
5,0 m	248118 / **DK-2511-05**	5,0 m	248231 / **DK-2611-05**	5,0 m	248309 / **DK-2511-05/3**	5,0 m	248361 / **DK-2911-05**
7,0 m	248101 / **DK-2511-07**	7,0 m	248255 / **DK-2611-07**	7,0 m	248316 / **DK-2511-07/3**	7,0 m	248378 / **DK-2911-07**
10,0 m	248095 / **DK-2511-10**	10,0 m	248262 / **DK-2611-10**	10,0 m	248323 / **DK-2511-10/3**	10,0 m	248385 / **DK-2911-10**

SC / SC
Fiber-optic patch cable, duplex

- SC / SC Connector
- Halogen free cable I-VH 2G-XXX (Multimode), I-VH 2E-XXX (Singlemode)
- OM3 up to 10Gbit Ethernet, OM1 & 2 1Gbit Ethernet
- Connector with ceramic ferrule
- Two color Boot (Multimode cable)
- Single packed, with test report



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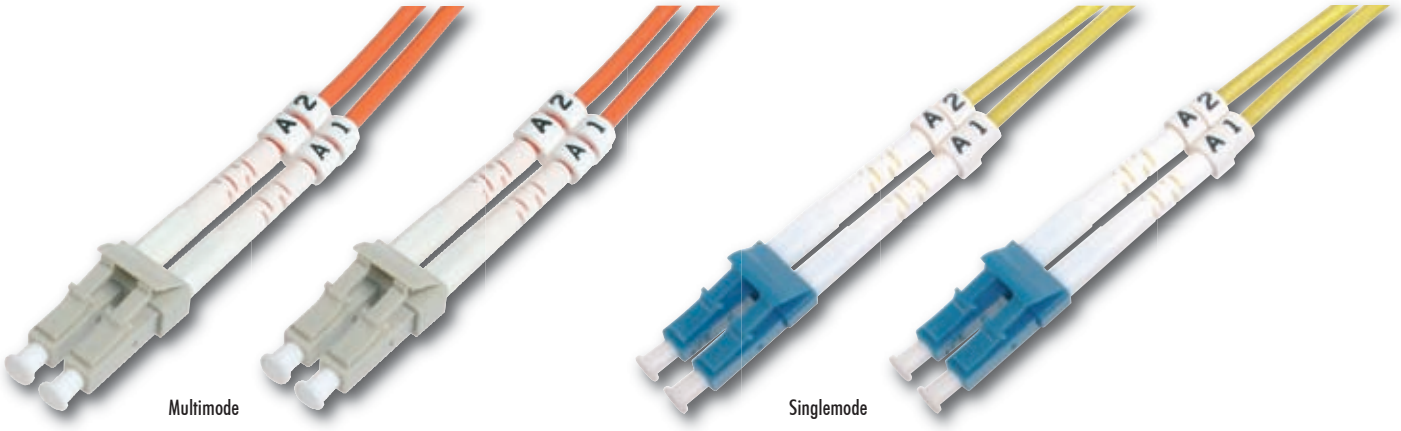
	Multimode OM2 - 50/125 µ		Multimode OM1 - 62,5/125 µ		Multimode OM3 - 50/125 µ		Singlemode - 9/125 µ
1,0 m	248392 / **DK-2522-01**	1,0 m	248460 / **DK-2622-01**	1,0 m	248538 / **DK-2522-01/3**	1,0 m	248736 / **DK-2922-01**
2,0 m	248408 / **DK-2522-02**	2,0 m	248477 / **DK-2622-02**	2,0 m	248545 / **DK-2522-02/3**	2,0 m	248743 / **DK-2922-02**
3,0 m	248415 / **DK-2522-03**	3,0 m	248491 / **DK-2622-03**	3,0 m	248552 / **DK-2522-03/3**	3,0 m	248750 / **DK-2922-03**
5,0 m	248422 / **DK-2522-05**	5,0 m	248507 / **DK-2622-05**	5,0 m	248569 / **DK-2522-05/3**	5,0 m	248767 / **DK-2922-05**
7,0 m	248446 / **DK-2522-07**	7,0 m	248514 / **DK-2622-07**	7,0 m	248576 / **DK-2522-07/3**	7,0 m	248774 / **DK-2922-07**
10,0 m	248453 / **DK-2522-10**	10,0 m	248521 / **DK-2622-10**	10,0 m	248729 / **DK-2522-10/3**	10,0 m	248781 / **DK-2922-10**

LC / LC
Fiber-optic patch cable, duplex

- LC / LC Connector
- Halogen free cable I-VH 2G-XXX (Multimode), I-VH 2E-XXX (Singlemode)
- OM3 up to 10Gbit Ethernet, OM1 & 2 1Gbit Ethernet
- Connector with ceramic ferrule
- Single packed, with test report



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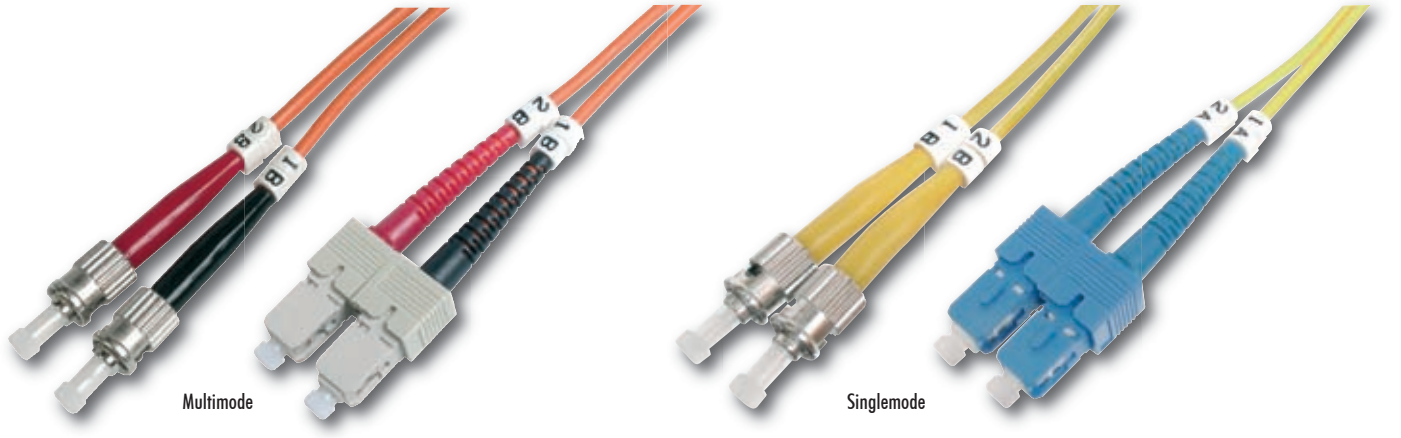
	Multimode OM2 - 50/125 µ		Multimode OM1 - 62,5/125 µ		Multimode OM3 - 50/125 µ		Singlemode - 9/125 µ
1,0 m	249030 / **DK-2533-01**	1,0 m	248798 / **DK-2633-01**	1,0 m	248859 / **DK-2533-01/3**	1,0 m	248910 / **DK-2933-01**
2,0 m	249054 / **DK-2533-02**	2,0 m	248804 / **DK-2633-02**	2,0 m	248866 / **DK-2533-02/3**	2,0 m	248927 / **DK-2933-02**
3,0 m	249047 / **DK-2533-03**	3,0 m	248811 / **DK-2633-03**	3,0 m	248873 / **DK-2533-03/3**	3,0 m	248934 / **DK-2933-03**
5,0 m	249061 / **DK-2533-05**	5,0 m	248828 / **DK-2633-05**	5,0 m	248880 / **DK-2533-05/3**	5,0 m	248941 / **DK-2933-05**
7,0 m	249078 / **DK-2533-07**	7,0 m	248835 / **DK-2633-07**	7,0 m	248897 / **DK-2533-07/3**	7,0 m	248958 / **DK-2933-07**
10,0 m	249085 / **DK-2533-10**	10,0 m	248842 / **DK-2633-10**	10,0 m	248903 / **DK-2533-10/3**	10,0 m	248965 / **DK-2933-10**

ST / SC
Fiber-optic patch cable, duplex

- ST / SC Connector
- Halogen free cable I-VH 2G-XXX (Multimode), I-VH 2E-XXX (Singlemode)
- OM3 up to 10Gbit Ethernet, OM1 & 2 1Gbit Ethernet
- Connector with ceramic ferrule
- Two color Boot (Multimode Cable)
- Single packed, with test report



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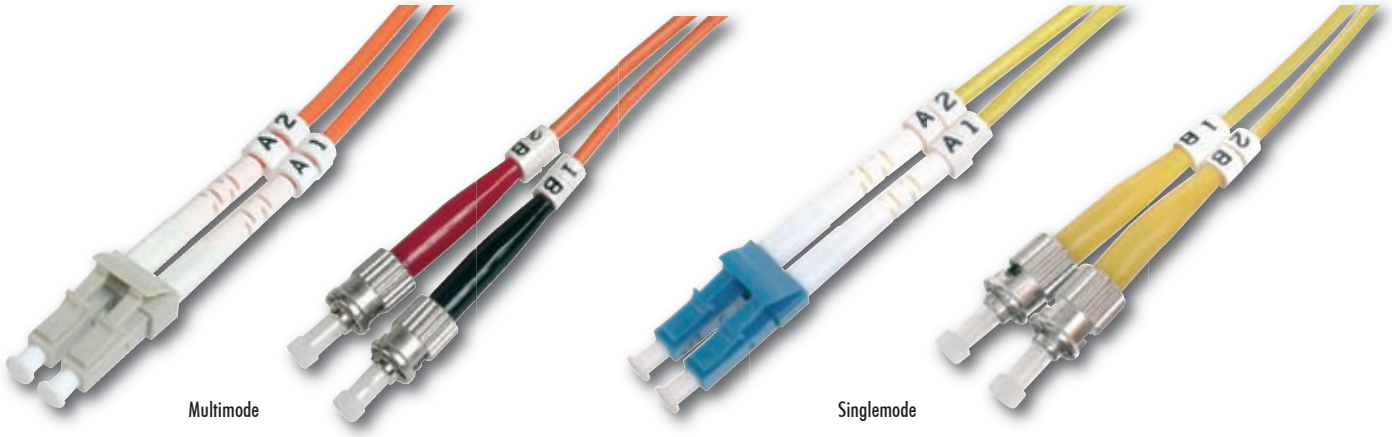
	Multimode OM2 - 50/125 µ		Multimode OM1 - 62,5/125 µ		Multimode OM3 - 50/125 µ		Singlemode - 9/125 µ
1,0 m	248606 / **DK-2512-01**	1,0 m	248668 / **DK-2612-01**	1,0 m	248972 / **DK-2512-01/3**	1,0 m	249092 / **DK-2912-01**
2,0 m	248613 / **DK-2512-02**	2,0 m	248675 / **DK-2612-02**	2,0 m	248989 / **DK-2512-02/3**	2,0 m	249108 / **DK-2912-02**
3,0 m	248620 / **DK-2512-03**	3,0 m	248682 / **DK-2612-03**	3,0 m	248996 / **DK-2512-03/3**	3,0 m	249115 / **DK-2912-03**
5,0 m	248637 / **DK-2512-05**	5,0 m	248699 / **DK-2612-05**	5,0 m	249009 / **DK-2512-05/3**	5,0 m	249122 / **DK-2912-05**
7,0 m	248644 / **DK-2512-07**	7,0 m	248705 / **DK-2612-07**	7,0 m	249016 / **DK-2512-07/3**	7,0 m	249139 / **DK-2912-07**
10,0 m	248651 / **DK-2512-10**	10,0 m	248712 / **DK-2612-10**	10,0 m	249023 / **DK-2512-10/3**	10,0 m	249146 / **DK-2912-10**

LC / ST
Fiber-optic patch cable, duplex

- LC / ST connector
- Halogen free cable I-VH 2G-XXX (Multimode), I-VH 2E-XXX (Singlemode)
- OM3 up to 10Gbit Ethernet, OM1 & 2 1Gbit Ethernet
- Connector with ceramic ferrule
- Two color Boot (Multimode Cable)
- Single packed, with test report

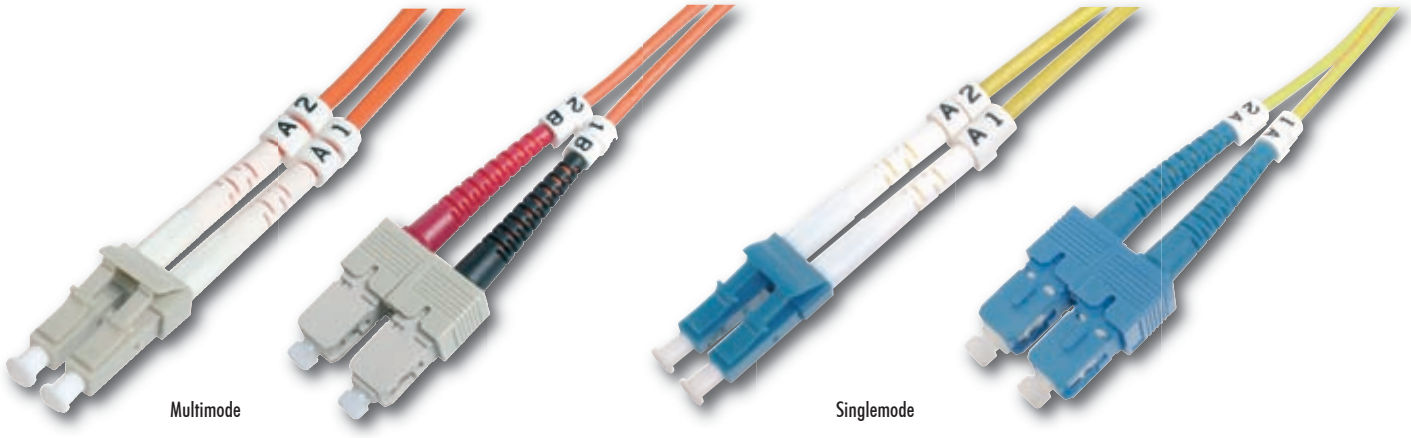


Please choose your requested product by the corresponding article number or the EAN code.

	Multimode OM2 - 50/125 µ		Multimode OM1 - 62,5/125 µ		Multimode OM3 - 50/125 µ		Singlemode - 9/125 µ
1,0 m	249153 / **DK-2531-01**	1,0 m	249214 / **DK-2631-01**	1,0 m	249276 / **DK-2531-01/3**	1,0 m	249337 / **DK-2931-01**
2,0 m	249160 / **DK-2531-02**	2,0 m	249221 / **DK-2631-02**	2,0 m	249283 / **DK-2531-02/3**	2,0 m	249344 / **DK-2931-02**
3,0 m	249177 / **DK-2531-03**	3,0 m	249238 / **DK-2631-03**	3,0 m	249290 / **DK-2531-03/3**	3,0 m	249351 / **DK-2931-03**
5,0 m	249184 / **DK-2531-05**	5,0 m	249245 / **DK-2631-05**	5,0 m	249306 / **DK-2531-05/3**	5,0 m	249368 / **DK-2931-05**
7,0 m	249191 / **DK-2531-07**	7,0 m	249252 / **DK-2631-07**	7,0 m	249313 / **DK-2531-07/3**	7,0 m	249375 / **DK-2931-07**
10,0 m	249207 / **DK-2531-10**	10,0 m	249269 / **DK-2631-10**	10,0 m	249320 / **DK-2531-10/3**	10,0 m	249382 / **DK-2931-10**

LC / SC
Fiber-optic patch cable, duplex

- LC / SC Connector
- Halogen free cable I-VH 2G-XXX (Multimode), I-VH 2E-XXX (Singlemode)
- OM3 up to 10Gbit Ethernet, OM1 & 2 1Gbit Ethernet
- Connector with ceramic ferrule
- Two color Boot (Multimode Cable)
- Single packed, with test report

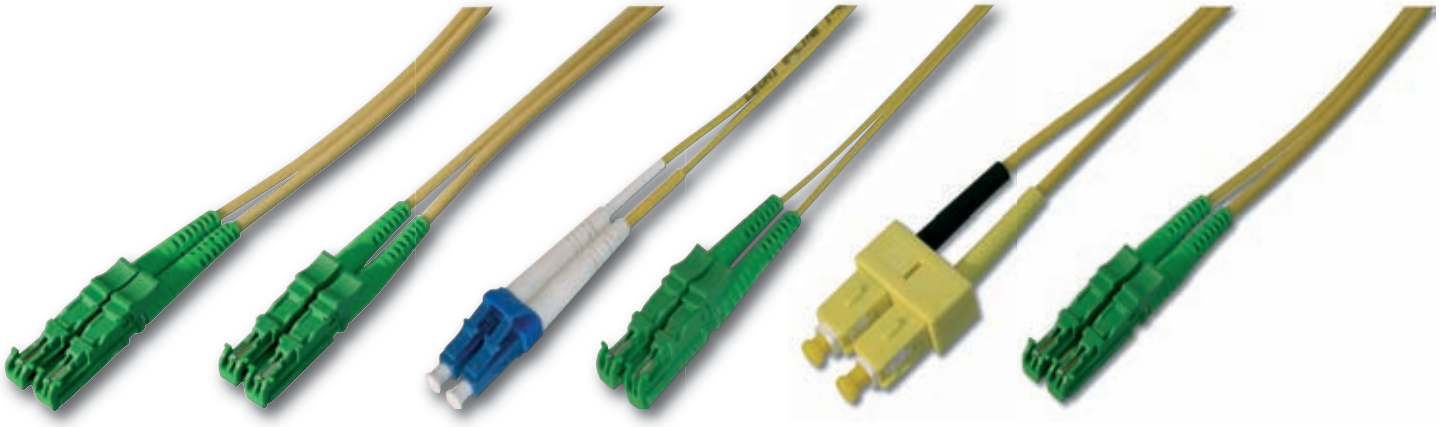


Please choose your requested product by the corresponding article number or the EAN code.

	Multimode OM2 50/125 µ		Multimode OM1 - 62,5/125 µ		Multimode OM3 - 50/125 µ		Singlemode - 9/125 µ
1,0 m	249399 / **DK-2532-01**	1,0 m	249467 / **DK-2632-01**	1,0 m	249566 / **DK-2532-01/3**	1,0 m	249634 / **DK-2932-01**
2,0 m	249405 / **DK-2532-02**	2,0 m	249474 / **DK-2632-02**	2,0 m	249580 / **DK-2532-02/3**	2,0 m	249641 / **DK-2932-02**
3,0 m	249412 / **DK-2532-03**	3,0 m	249481 / **DK-2632-03**	3,0 m	249597 / **DK-2532-03/3**	3,0 m	249658 / **DK-2932-03**
5,0 m	249436 / **DK-2532-05**	5,0 m	249498 / **DK-2632-05**	5,0 m	249603 / **DK-2532-05/3**	5,0 m	249665 / **DK-2932-05**
7,0 m	249443 / **DK-2532-07**	7,0 m	249511 / **DK-2632-07**	7,0 m	249610 / **DK-2532-07/3**	7,0 m	249672 / **DK-2932-07**
10,0 m	249450 / **DK-2532-10**	10,0 m	249528 / **DK-2632-10**	10,0 m	249627 / **DK-2532-10/3**	10,0 m	249689 / **DK-2932-10**

E2000 / E2000, Fiberoptic patch cable, duplex

- Singlemode 09/125 μ with 8° APC
- Cable I-VH 2E-XXX, holgenfree
- Connector with ceramic ferrule
- Single packed with test report



Please choose your requested product by the corresponding article number or the EAN code.

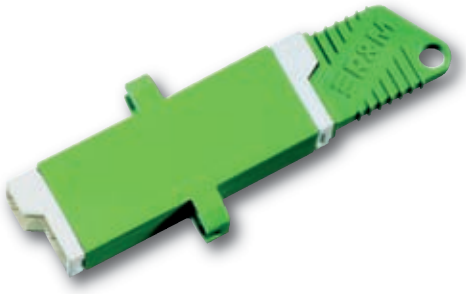
	E 2000 Duplex 8° APC		E 2000 / LC 8° APC		E 2000 / SC 8° APC
1,0 m	204725 / AL-9E2000-01I	1,0 m	204763 / AL-9E2000LC-01I	1,0 m	204800 / AL-9E2000SC-01I
2,0 m	204732 / AL-9E2000-02I	2,0 m	204770 / AL-9E2000LC-02I	2,0 m	204817 / AL-9E2000SC-02I
3,0 m	204749 / AL-9E2000-03I	3,0 m	204787 / AL-9E2000LC-03I	3,0 m	204824 / AL-9E2000SC-03I
5,0 m	204756 / AL-9E2000-05I	5,0 m	204794 / AL-9E2000LC-05I	5,0 m	204831 / AL-9E2000SC-05I

E 2000 Pigtail, 8° APC, simplex

- Singlemode with 8° APC
- Single packed with test report

204848 / AL-9FPE2000-02I
2m

E2000 Coupler, simplex



- Singlemode with 8° APC
- Zirconia sleeve

204855 / ALWL-E2000
Coupler

Fiber-optic universal indoor, outdoor cable U-DQ(ZN)BH 50/125 µm, OM 3, multimode

- Universally useable, for indoor and outdoor use
- Halogen-free, flame-resistant as per IEC 332-3 C, longitudinally and laterally water-resistant
- The cable can be delivered in additional lengths and in fabricated form
- Tractive force: 1000N
- Singlepressure stability permanent: 200N/cm
- Rodent protection
- Dry interstices
- Non metallic

262626 / AL-5AN4-100/3
Universal Indoor-Outdoor Cable 4G 50/125 µm, 100m

262657 / AL-5AN8-100/3
Universal Indoor-Outdoor Cable 8G 50/125 µm, 100m

262725 / AL-5AN12-100/3
Universal Indoor-Outdoor Cable 12G50/125 µm, 100m

262770 / AL-5AN24-100/3
Universal Indoor-Outdoor Cable 24G 50/125 µm, 100m

Fiber-optic universal indoor, outdoor cable U-DQ(ZN) BH 50/125 µm, OM 2, multimode

- Universally useable, for indoor and outdoor use
- Halogen-free, flame-resistant as per IEC 332-3 C, longitudinally and laterally water-resistant
- The cable can be delivered in additional lengths and in fabricated form
- Tractive force: 1000N
- Singlepressure stability permanent: 200N/cm
- Rodent protection
- Dry interstices
- Non metallic

005070 / AL-5AN4-100
Universal Indoor-Outdoor Cable 4G50/125 µm, 100m

005087 / AL-5AN8-100
Universal indoor-outdoor cable 8G50/125 µm, 100m

005063 / AL-5AN12-100
Universal indoor-outdoor cable 12G50/125 µm, 100m

262800 / AL-5AN24-100
Universal Indoor-Outdoor Cable 2x12G 50/125 µm, 100m

Fiber-optic universal indoor, outdoor cable U-DQ(ZN)BH 09/125 µm, OS1, singlemode

- Universally useable, for indoor and outdoor use
- Halogen-free, flame-resistant as per IEC 332-3 C, longitudinally and laterally water-resistant
- The cable can be delivered in additional lengths and in fabricated form
- Tractive force: 1000N
- Singlepressure stability permanent: 200N/cm
- Rodent protection
- Dry interstices
- Non metallic

262640 / AL-9AN4-100
Universal Indoor-Outdoor Cable 4G 09/125 µm, 100m

262695 / AL-9AN8-100
Universal Indoor-Outdoor Cable 8G 09/125 µm, 100m

2163466 / AL-9AN12-100
Universal Indoor-Outdoor Cable 12G 09/125 µm, 100m

262817 / AL-9AN24-100
Universal Indoor-Outdoor Cable 2x12G 09/125 µm, 100m

DIGITUS® colored pigtails, SC OM2 50/125 µ

- Simplex OM 2 50/125 µ 2m
- Semi tight buffer
- Colored buffer, according to IEC 302 in: white, violet, turquoise, black, red, pink, orange, grey, green, yellow, brown, blue
- Set of 12 pcs
- Incl. test report

261643 / DK-25221-02
SC pigtail, OM2 50/125 µ 2m

DIGITUS® colored pigtails, ST OM2 50/125 µ

- Simplex OM 2 50/125 µ 2m
- Semi tight buffer
- Colored buffer, according to IEC 302 in: white, violet, turquoise, black, red, pink, orange, grey, green, yellow, brown, blue
- Set of 12 pcs
- Incl. test report

254225 / DK-25112-02
ST simplex pigtail, OM2 50/125 µ 2m

ST fiber pigtail

- Simplex, 2m
- Tight buffer
- Single packed with test report

133643 / AL-5FPSC-02I
Multimode OM 2, 50/125 µ, 2m

133704 / AL-5FPSC-02/3I
Multimode OM 3, 50 / 125 µ, 2m

148500 / AL-9FPSC-02I
Multimode OS 1, 09/125 µ, 2m

ST fiber pigtail

- Simplex, 2m.
- Tight buffer
- Single packed with test report

133629 / AL-5FPST-02I
Multimode OM 2, 50/125 µ, 2m

133681 / AL-5FPST-02/3I
Multimode OM 3, 50 / 125µ 2 m

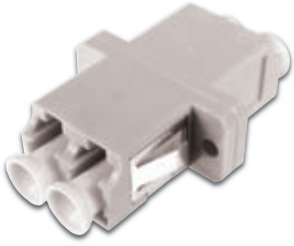
148494 / AL-9FPST-02I
Singlemode OS 1, 09/125 µ, 2m

E 2000 fiber pigtail

- Singlemode with 8° APC
- Single packed with test report

204848 / AL-9FPE2000-02I
Singlemode, OS 1 09/125 µ, 2m

LC / LC coupler



163640 / ALWL-LC1D
phosphor bronze sleeve

186823 / ALWL-LC2D
zirconia sleeve

SC / SC coupler, duplex

007562 / ALWL-SCK1D
Phosphor bronze sleeve

007586 / ALWL-SCK2D
Zirconia sleeve

ST / SC coupler, duplex

007647 / ALWL-STSC1D
Phosphor bronze sleeve

180012 / ALWL-STSC2D-P
Zirconia sleeve

ST / ST coupler, simplex

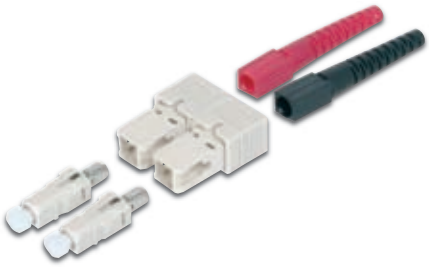
007623 / ALWL-STK1
Zirconia sleeve

007630/ ALWL-STK2
Phosphor bronze sleeve

LC duplex connector

133742 / ALWL-LCD
LC connector,Phosphor Bronze sleeve, incl. boot

SC duplex connector



007555 / ALWL-SCD
Phosphor bronze sleeve, two color boots

179030 / ALWL-SCD-9
Zirconia sleeve, blue color boot

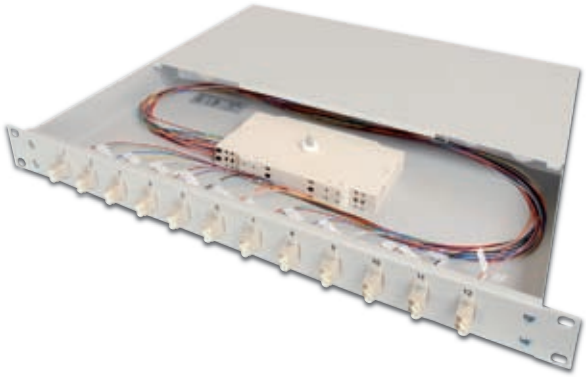
ST simplex connector

007616 / ALWL-ST
Phosphor bronze, black boot

178927 / ALWL-ST-9
Zirconia sleeve, yellow boot

19" Fiber-optic splicebox, equipped, LC couplers, OM2 multimode

- Completely prefabricated, fiber pigtails removed and inserted into the splice cassette(s)
- Colored pigtails
- Multimode 50/125μ OM2 fibers
- LC couplers with phosphor bronze sleeve
- Adapters in polymer housing
- Carrier housing of 1.5mm steel sheet
- 1U
- 19"
- 280mm depth
- PG 16 screws, splice cassette + cover, crimp splice protection and cable clips included
- grey RAL 7035



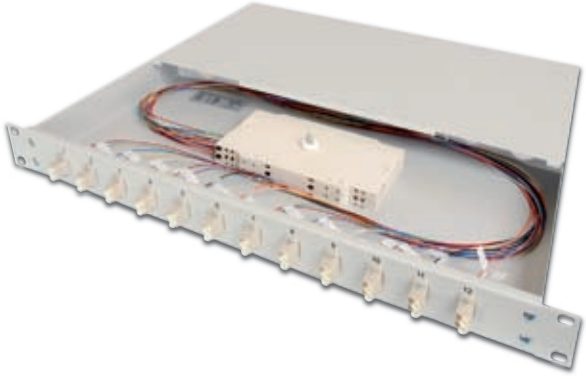
262763 / AL-19AZ-06LCD-K
6x LC Duplex, Multimode 50/125µ

221555 / AL-19AZ-12LCD-K
12x LC Duplex, Multimode 50/125µ

221579 / AL-19AZ-24LCD-K
24x LC Duplex, Multimode 50/125µ

19" Fiber-optic splicebox , equipped, LC couplers, OM 3 multimode

- Completely prefabricated, fiber pigtails removed and inserted into the splice cassette(s)
- Colored pigtails
- Multimode 50/125μ OM3 fibers
- LC couplers with phosphor bronze sleeve
- Adapters in polymer housing
- Carrier housing of 1.5mm steel sheet
- 1U
- 19"
- 280mm depth
- PG 16 screws, splice cassette + cover, crimp splice protection and cable clips included
- Grey RAL 7035



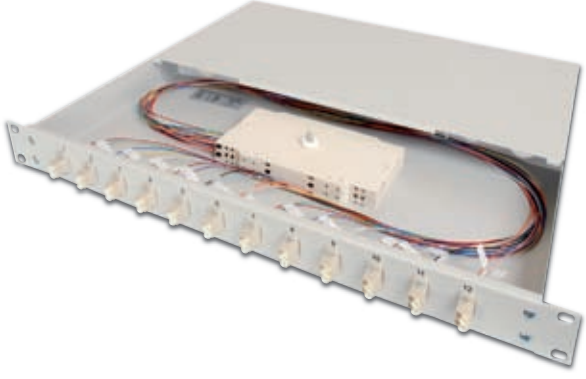
262787 / AL-19AZ-06LCD-K-3
6x LC Duplex, Multimode 50/125µ

262855 / AL-19AZ-12LCD-K-3
12x LC Duplex, Multimode 50/125µ

262886 / AL-19AZ-24LCD-K-3
24x LC Duplex, Multimode 50/125µ

19" Fiber-optic splicebox, equipped, LC couplers, OS1 Singlemode

- Completely prefabricated, fiber pigtails removed and inserted into the splice cassette(s)
- Colored pigtails
- Singlemode 09/125μ OS1 fibers
- LC couplers with ceramic sleeve
- Adapters in polymer housing
- Carrier housing of 1.5mm steel sheet
- 1U
- 19"
- 280mm depth
- PG 16 screws, splice cassette + cover, crimp splice protection and cable clips included
- Grey RAL 7035



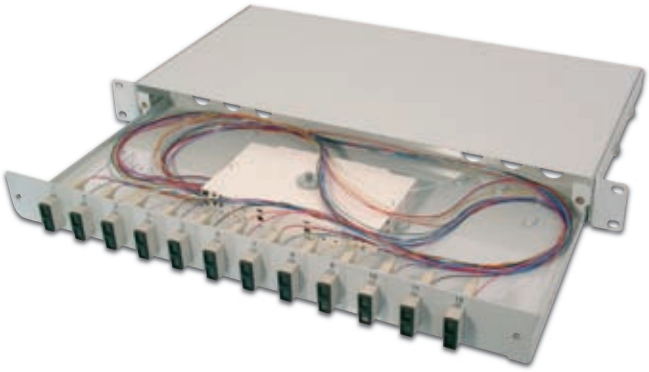
262794 / AL-19AZ-06LCD-K-9
6x LC Duplex, Singlemode 09/125µ

221586 / AL-19AZ-12LCD-K-9
12x LC Duplex, Singlemode 09/125µ

221593 / AL-19AZ-24LCD-K-9
24x LC Duplex, Singlemode 09/125µ

19" Fiber-optic splicebox, equipped, SC couplers, OM2, multimode

- Completely prefabricated, fiber pigtails removed and inserted into the splice cassette(s)
- Colored pigtails
- Multimode 50/125μ OM2 fibers
- SC couplers with phosphor bronze sleeve
- Adapters in polymer housing
- Carrier housing of 1.5mm steel sheet
- 1U
- 19"
- 280mm depth
- PG 16 screws, splice cassette + cover, crimp splice protection and cable clips included
- Grey, RAL 7035



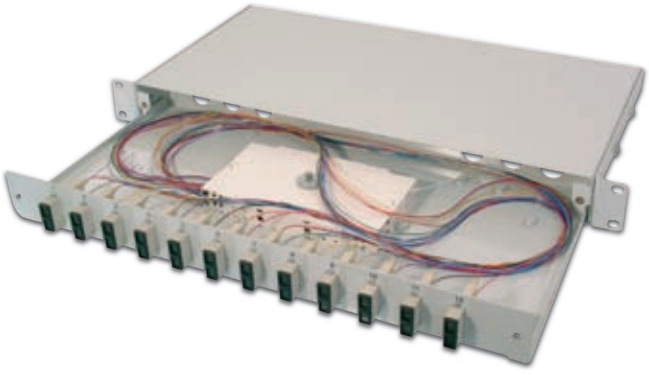
262749 / AL-19AZ-06SCD-K
6x SC Duplex, Multimode 50/125µ

163060 / AL-19AZ-12SCD-K
12x SC Duplex, Multimode 50/125µ

163077 / AL-19AZ-24SCD-K
24x SC Duplex, Multimode 50/125µ

19" Fiber-optic splicebox, equipped, SC couplers, OM3, multimode

- Completely prefabricated, fiber pigtails removed and inserted into the splice cassette(s)
- Colored pigtails
- Multimode 50/125μ OM3 fibers
- SC couplers with phosphor bronze sleeve
- Adapters in polymer housing
- Carrier housing of 1.5mm steel sheet
- 1U
- 19"
- 280mm depth
- PG 16 screws, splice cassette + cover, crimp splice protection and cable clips included
- grey, RAL 7035

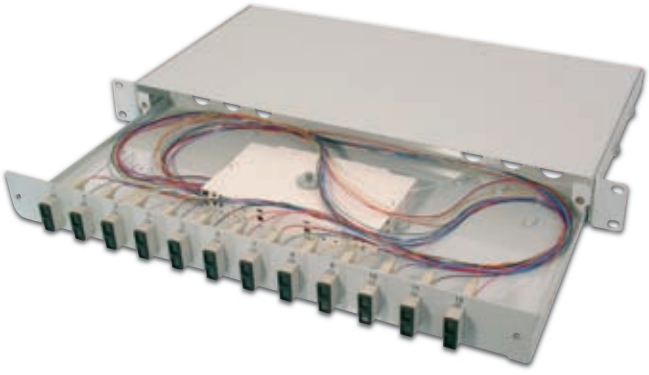


262732 / AL-19AZ-06SCD-K-3
6x SC Duplex, Multimode 50/125µ

262824 / AL-19AZ-24SCD-K-3
24x SC Duplex, Multimode 50/125µ

19" Fiber-optic splicebox, equipped, SC couplers, OS1, singlemode

- Completely prefabricated, fiber pigtails removed and inserted into the splice cassette(s)
- Colored pigtails
- Singlemode 09/125μ OS1 fibers
- SC couplers with ceramic sleeve
- Adapters in polymer housing
- Carrier housing of 1.5mm steel sheet
- 1U
- 19"
- 280mm depth
- PG 16 screws, splice cassette + cover, crimp splice protection and cable clips included
- Grey, RAL 7035



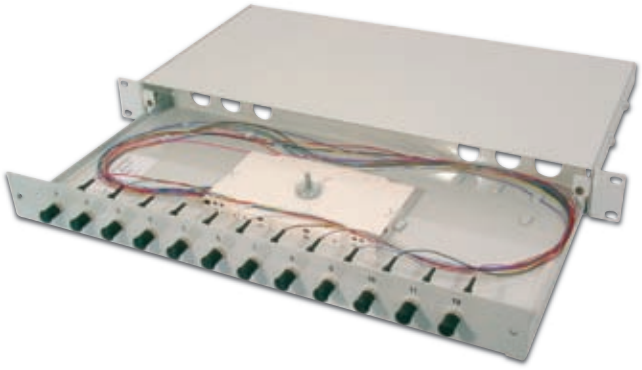
262756 / AL-19AZ-06SCD-K-9
6x SC Duplex, Singlemode 09/125µ

221500 / AL-19AZ-12SCD-K-9
12x SC Duplex, Singlemode 09/125µ

262831 / AL-19AZ-24SCD-K-9
24x SC Duplex, Singlemode 09/125µ

19" Fiber-optic splicebox , equipped, ST couplers, OM2, multimode

- Completely prefabricated, fiber pigtails removed and inserted into the splice cassette(s)
- Colored pigtails
- Multimode 50/125μ OM2 fibers
- ST couplers with phosphor bronze sleeve
- Adapters in metal housing
- Carrier housing of 1.5mm steel sheet
- 1U
- 19"
- 280mm depth
- PG 16 screws, splice cassette + cover, crimp splice protection and cable clips included
- Grey RAL 7035



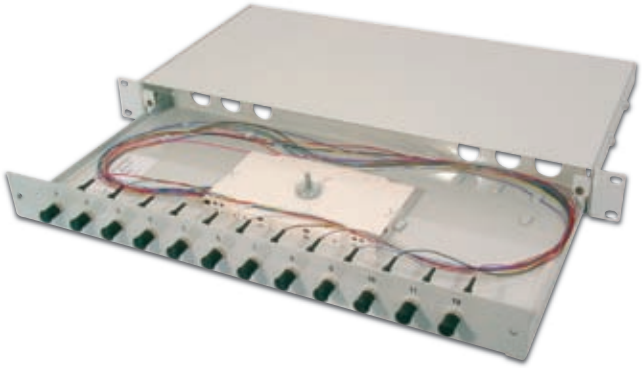
262664 / AL-19AZ-06ST-K
6x ST Simplex, Multimode 50/125µ

163091 / AL-19AZ-12ST-K
12x ST Simplex, Multimode 50/125µ

163084 / AL-19AZ-24ST-K
24x ST Simplex, Multimode 50/125µ

19" Fiber-optic splicebox, equipped, ST couplers, OM3, multimode

- Completely prefabricated, fiber pigtails removed and inserted into the splice cassette(s)
- Colored pigtails
- Multimode 50/125μ OM3 fibers
- ST couplers with phosphor bronze sleeve
- Adapters in metal housing
- Carrier housing of 1.5mm steel sheet
- 1U
- 19"
- 280mm depth
- PG 16 screws, splice cassette + cover, crimp splice protection and cable clips included
- Grey, RAL 7035



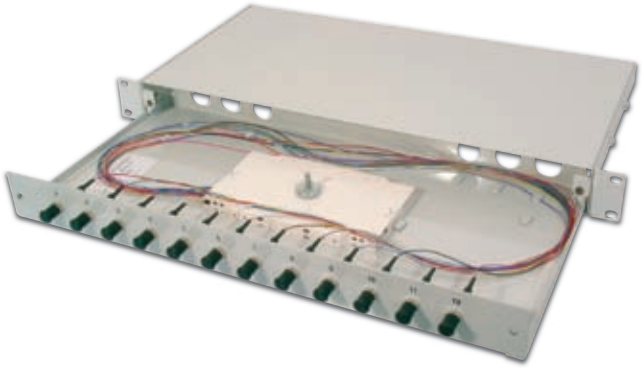
262671 / AL-19AZ-06ST-K-3
6x ST Simplex, Multimode 50/125µ

262633 / AL-19AZ-12ST-K-3
12x ST Simplex, Multimode 50/125µ

262701 / AL-19AZ-24ST-K-3
24x ST Simplex, Multimode 50/125µ

19" Fiber-optic splicebox , equipped, ST couplers, OS1, multimode

- Completely prefabricated, fiber pigtails removed and inserted into the splice cassette(s)
- Colored pigtails
- Multimode 09/125μ OS1 fibers
- ST couplers with ceramic sleeve
- Adapters in metal housing
- Carrier housing of 1.5mm steel sheet
- 1U
- 19"
- 280mm depth
- PG 16 screws, splice cassette + cover, crimp splice protection and cable clips included
- Grey, RAL 7035



262688 / AL-19AZ-06ST-K-9
6x ST Simplex, Singlemode 09/125µ

221524 / AL-19AZ-12ST-K-9
12x ST Simplex, Singlemode 09/125µ

221531 / AL-19AZ-24ST-K-9
24x ST Simplex, Singlemode 09/125µ

SC Duplex 19" fiber-splicebox, 1U, unequipped, extractable

- Carrier housing 1.5 mm sheet steel
- Grey RAL 7035
- Width 483 mm, depth 350 mm, pull-out depth 210mm, adjustable depth
- Holder for splice box
- Punched out ground to fix pigtails
- 4 PG entries and 2 cable entries
- PG 16 screws and mounting material

137962 / AL-19AZ-12SCD
12 x SC Duplex Splice Box

138662 / AL-19AZ-24SCD
24 x SC Duplex Splice Box

ST Simplex 19" fiber-splicebox, 1U, unequipped, extractable

- Carrier housing 1.5 mm sheet steel
- Grey RAL 7035
- Width 483 mm, depth 350 mm, pull-out depth 210mm, adjustable depth
- Holder for splice box
- Punched out ground to fix pigtails
- 4 PG entries and 2 cable entries
- PG 16 screws and mounting material

004844 / AL-19AZ-12ST
12 x ST, 19" Splice Box

004868 / AL-19AZ-24ST
24 x ST, 19" Splice Box

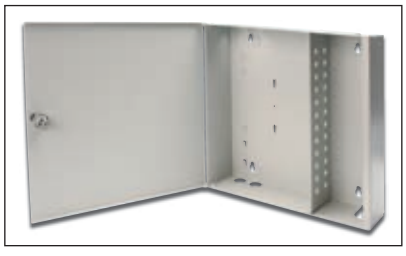
LC Duplex , SC & E 2000 simplex 19" fiber-optic-splicebox, 1U, unequipped, extractable

- Carrier housing 1.5 mm sheet steel
- Grey RAL 7035
- Width 483 mm, depth 350 mm, pull-out depth 210mm, adjustable depth
- Holder for splice box
- Punched out ground to fix pigtails
- 4 PG entries and 2 cable entries
- PG 16 Screws and mounting material

195757 / AL-19AZ-12SC
12 x LC Duplex, SC & E 2000 Simplex

Wallmounting type fiber-optic splicebox

- Carrier housing 1.5 mm sheet steel
- Grey RAL 7035
- Holder for splice cassettes
- Punched out ground to fix pigtails
- One PG entries and 2 cable entries
- PG 16 screws and mounting material
- Lockable front door

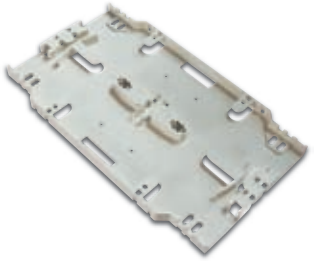


260349 / AL-19AZ-W-24ST
24xST simplex

2262619 / AL-19AZ-W-12SCD
12xSC duplex

262602 / AL-19AZ-W-24SC
24xSC simplex, LC / E2000 duplex

Splice cassette



Different cable entries allow an optimal core connection.

- Suitable for up to 12 fiber cores
- Four cable entries
- Twist protection
- Dimensions: 155x92x8mm (WxPxH)

007326 / AL-SK1
Splice cassette for 12 fi ber cores

Cover for splice cassette

For splice cassette AL-SK1

007371 / AL-SK4
Cover for splice cassette

Splice comb

- Incl. connection screw M3
- Measurements: 40 x 35 x 5mm
- Crimp splice

007340 / AL-SK2
Crimp splice comb for 12 fi ber cores

Crimp splice protection

Sandwich crimp splice protection for fiber core

- Measurements: 1,2 x 3,2 x 30mm

007364 / AL-SK3
Crimp splice protection, 15 pcs per unit

ST fiber blind plate

- for not used ports in splicebox
- avoids dust
- black color plastic
- 100 pcs. per unit

262848 / AL-BP-ST
Fiber blind plate ST

SC and LC fiber blindplate

- for not used ports in splicebox
- avoids dust
- black color plastic
- 100 pcs. per unit

262862 / AL-BP-SCD
Fiber blindplate SC duplex

262879 / AL-BP-LCD
Fiber blindplate LC duplex